ABSTRACT

DEVELOPMENT OF E-COMMERCE SYSTEM ON GUAVA MONKEY COMPANY GALLERY

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Guava Monkey Company Gallery is a business entity which is engaged in decorative accessories lamps and art of calligraphy. Development of e-commerce applications are based on manual systems that are running. Manual system which runs currently the only form of sales based on consumers who come directly to the store. In addition, Guava Monkey Company Gallery also has disadvantages, ranging from the promotion process and transactions and in preparing reports sales are still done manually so that the sales report has not been well detailed.

In the process of development of e-commerce application uses data analysis techniques using the waterfall software development. For the system data stream method use structure method that is using DFD (Data Flow Diagram) in depicting functional model and ERD (Entity Relationship Diagram) to illustrate data model. System builder software is PHP with MySQL 5.0 for database server. For payments from transactions that occur can be via paypal or bank transfer with data security applications using IP-Dedicated and use SSL (Secure Socket Layer).

After going through the stages in accordance with the selected development method hence in implementing e-commerce system has a follow-up examination system which consist of alpha testing where this test using black box testing method that focuses on functional requirements software and beta testing that is field-testing by providing questionnaires to employees in the Guava Monkey Company Gallery as the administrator and the general public as users of the web that contain the questions refer to final destination. After alpha and beta testing, can be deduced that the functional system can already to generate the expected output, with a view that is quite interesting websites and provide convenience to the user in processing data.

Keyword : E-commerce, DFD, Waterfall Method.